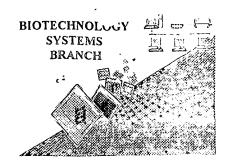
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/654, 281			
Source:		_D_CT	AVAILABLE	COPY
Date Processed by STIC:	3/16/2001		A MENSON MANAGEMENT	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

	ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/654,281		
ATTN 1	: NEW RULES CASES: Pi Wrapped Nucleics	LEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".		
2	Wrapped Aminos	no acid number/lext at the end of each line "wrapped" down to the next line. ay occur if your file was retrieved in a word processor after creating it. adjust your right margin to .3, as this will prevent "wrapping".		
3	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.		
4	Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.		
5	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.		
6	Variable Length -	Sequence(s) contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.		
7	Patentin ver. 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.		
8	Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please use the following format for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped		
		Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).		
9	Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please use the following format for each skipped sequence. <210> sequence id number €400> sequence id number 000		
10	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.		
11	Use of <213>Organism (NEW RULES)	Sequence(s) are missing this mandatory field or its response.		
12	Use of <220>Feature (NEW RULES)	Sequence(s) are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)		
13	• • • • • • • • • • • • • • • • • • • •	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted file, Testalting in missing mandatary numeric identifiers and responses (as indicated on raw sequence listing).		

Instead, please use "File Manager" or any other means to copy file to floppy disk.

RAW SEQUENCE LISTING DATE: 03/16/2001 PATENT APPLICATION: US/09/654,281 TIME: 15:13:59

Does Not Comply Input Set : A:\PTO.txt Output Set: N:\CRF3\03162001\1654281.raw Corrected Diskette Needed 3 <110> APPLICANT: Sedivy, John Kolch, Walter Yeung, Kam Chi 7 <120> TITLE OF INVENTION: Kinase Inhibitors and Methods of Use in Screening Assays and Modulation of Cell Proliferation and Growth 10 <130> FILE REFERENCE: 3564/1010 please covert property please covert property in wheregoverny per 1.823 of new Sequence Rules, the only valid (2137 resposses are; 12 <140> CURRENT APPLICATION NUMBER: 09/654,281 13 <141> CURRENT FILING DATE: 2000-09-01 15 <150> PRIOR APPLICATION NUMBER: 60/151,992 16 <151> PRIOR FILING DATE: 1999-09-01 18 <160> NUMBER OF SEQ ID NOS: 11 20 <170> SOFTWARE: PatentIn version 3.0 22 <210> SEQ ID NO: 1 23 <211> LENGTH: 42 24 <212> TYPE: PRT 25 <213> ORGANISM(: Artificial/Unknown 27 <220> FEATURE: Unknown or Artificial Sequerce or scientific name (Genus/species) 28 <221> NAME/KEY: UNSURE 29 <222> LOCATION: (3)..(5) Xaa 30 <223> OTHER INFORMATION: (X) = any amino acid delete 33 <220> FEATURE: 34 <221> NAME/KEY: UNSURE 35 <222> LOCATION: (9)..(9) (one of the 36 <223> OTHER INFORMATION: a hydrophobic amino acid residue 39 <220> FEATURE: 40 <221> NAME/KEY: UNSURE 41 <222> LOCATION: (11)..(13) XAA 42 <223> OTHER INFORMATION: X = an any amino acid felete 45 <220> FEATURE: 46 <221> NAME/KEY: UNSURE 47 <222> LOCATION: (14)..(14) 48 <223> OTHER INFORMATION: (B =)a negatively charged amino acid residue 51 <220> FEATURE: 52 <221> NAME/KEY: UNSURE 53 <222> LOCATION: (15)..(18) 54 <223> OTHER INFORMATION: (X) = any amino acid residue 57 <220> FEATURE: 58 <221> NAME/KEY: UNSURE 59 <222> LOCATION: (20)..(21) XAA 60 <223> OTHER INFORMATION: (X) = any amino acid residue 63 <220> FEATURE: varieble length not permitted-sel item 6 on Evor Jummany Sheet 64 <221> NAME/KEY: UNSURE 65 <222> LOCATION: (23)..(23) \times 66 <223> OTHER INFORMATION: \times = between 10 and 50 of any amino acid residue 69 <220> FEATURE: 70 <221> NAME/KEY: UNSURE 71 <222> LOCATION: (25)..(28)

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PATENT APPLICATION: US/09/654,281
                                                                 TIME: 15:13:59
                      Input Set : A:\PTO.txt
                      Output Set: N:\CRF3\03162001\I654281.raw
                            Xaa
     72 <223> OTHER INFORMATION: (X) = any amino acid residue
                                                            see Len 6 on Ever furnay

Alexander Alexander
     75 <220> FEATURE:
     76 <221> NAME/KEY: UNSURE
     77 <222> LOCATION: (30)..(30) Xaa
     78 <223> OTHER INFORMATION: (X) = between (2) and 4 of any amino acid residue
     81 <220> FEATURE:
     82 <221> NAME/KEY: UNSURE
     83 <222> LOCATION: (32)..(32)
     84 <223> OTHER INFORMATION: (X) any amino acid residue
     87 <220> FEATURE:
     88 <221> NAME/KEY: UNSURE
89 <222> LOCATION: (35)..(35)
90 <223> OTHER INFORMATION: (X) = an aromatic amino acid residue
     88 <221> NAME/KEY: UNSURE
     93 <220> FEATURE:
     94 <221> NAME/KEY: UNSURE
     95 <222> LOCATION: (37)..(37) XAA

96 <223> OTHER INFORMATION: X = any amino acid residue
     99 <220> FEATURE:
     100 <221> NAME/KEY: UNSURE
     101 <222> LOCATION: (38)..(38)
     102 <223> OTHER INFORMATION: (Z =) a hydrophobic amino acid residue
     105 <220> FEATURE:
     106 <221> NAME/KEY: UNSURE
     107 <222> LOCATION: (39)..(41) (39) 108 <223> OTHER INFORMATION: (X) any amino acid residue
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114 1 15 W--> 116 Xaa Xaa Glu Xaa Xaa His Xaa Tyr Xaa Xaa Xaa Rro Xaa Gly Xaa
117 20 25
W--> 119 His Arg Xaa Val Xaa Glx Xaa Xaa Gln
            35
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     123 <211> LENGTH: 187
     124 <212> TYPE: PRT
    `125.<213> ORGANISM: Homo sapiens
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     132 Val Asp Glu Gln Pro Gln His Pro Leu His Val Thr Tyr Ala Gly Ala
                     2.0
     135 Ala Val Asp Glu Leu Gly Lys Val Leu Thr Pro Thr Gln Val Lys Asn
             35
                                       40
     138 Arg Pro Thr Ser Ile Ser Trp Asp Gly Leu Asp Ser Gly Lys Leu Tyr
     141 Thr Leu Val Leu Thr Asp Pro Asp Ala Pro Ser Arg Lys Asp Pro Lys
                              70
                                                    75
     144 Tyr Arg Glu Trp His His Phe Leu Val Val Asn Met Lys Gly Asn Asp
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RAW SEQUENCE LISTING

DATE: 03/16/2001

DATE: 03/16/2001

TIME: 15:13:59

Input Set : A:\PTO.txt Output Set: N:\CRF3\03162001\1654281.raw 147 Ile Ser Ser Gly Thr Val Leu Ser Asp Tyr Val Gly Ser Gly Pro Pro 100 105 150 Lys Gly Thr Gly Leu His Arg Tyr Val Trp Leu Val Tyr Glu Gln Asp 120 153 Arg Pro Leu Lys Cys Asp Glu Pro Ile Leu Ser Asn Arg Ser Gly Lys 135 140 156 His Arg Gly Lys Phe Lys Val Ala Ser Phe Arg Lys Lys Tyr Glu Leu 1.50 155 159 Arg Ala Pro Val Ala Gly Thr Cys Tyr Gln Ala Glu Trp Lys Lys Tyr 165 170 162 Val Pro Lys Leu Tyr Glu Gln Leu Ser Gly Lys 180 165 <210> SEQ ID NO: 3 166 <211> LENGTH: 187 167 <212> TYPE: PRT 168 <213> ORGANISM: Mus musculus 170 <220> FEATURE: 171 <221> NAME/KEY: UNSURE 172 <222> LOCATION: (150)..(150) 173 <223> OTHER INFORMATION: X = any amino acid residue 176 <400> SEQUENCE: 3 178 Met Ala Ala Asp Ile Ser Gln Trp Ala Gly Pro Leu Cys Leu Gln Glu 179 1 5 181 Val Asp Glu Pro Pro Gln His Ala Leu Arg Val Asp Tyr Ala Gly Val 184 Thr Val Asp Glu Leu Gly Lys Val Leu Thr Pro Thr Gln Val Met Asn 35 40 187 Arg Pro Ser Ser Ile Ser Trp Asp Gly Leu Asp Pro Gly Lys Leu Tyr 55 190 Thr Leu Val Leu Thr Asp Pro Asp Ala Pro Ser Arg Lys Asp Pro Lys 193 Phe Arg Glu Trp His His Phe Leu Val Val Asn Met Lys Gly Asn Asp 85 90 196 Ile Ser Ser Gly Thr Val Leu Ser Asp Tyr Val Gly Ser Gly Pro Pro 100 105 199 Ser Gly Thr Ser Ile His Arg Tyr Val Trp Leu Val Tyr Glu Gln Glu 115 120 125 202 Gln Pro Leu Ser Cys Asp Glu Pro Ile Leu Ser Asn Lys Ser Gly Asp , _ 135 205 Asn Arg Gly Lys Phe Xaa Val Glu Thr Phe Arg Lys Lys Tyr Asn Leu 206 145 150 155 208 Gly Ala Pro Val Ala Gly Thr Cys Tyr Gln Ala Glu Trp Asp Asp Tyr 165 170 211 Val Pro Lys Leu Tyr Glu Gln Leu Ser Gly Lys 180 214 <210> SEQ ID NO: 4 215 <211> LENGTH: 187 216 <212> TYPE: PRT 217 <213> ORGANISM: Drosophila

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/654,281

RAW SEQUENCE LISTING DATE: 03/16/2001 PATENT APPLICATION: US/09/654,281 TIME: 15:13:59

Input Set : A:\PTO.txt

Output Set: N:\CRF3\03162001\I654281.raw

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219 <400> SEQUENCE: 4
221 Met Ser Asp Ser Thr Val Cys Phe Ser Lys His Lys Ile Val Pro Asp
224 Ile Leu Lys Thr Cys Pro Ala Thr Leu Leu Thr Val Thr Tyr Gly Gly
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227 Gly Gln Val Val Asp Val Gly Glu Leu Thr Pro Thr Gln Val Gln
228 35
                               40
230 Ser Gln Pro Lys Val Lys Trp Asp Ala Asp Pro Asn Ala Phe Tyr Thr
                           55
233 Leu Leu Leu Thr Asp Pro Asp Ala Pro Ser Arg Lys Glu Pro Lys Phe
236 Arg Glu Trp His His Trp Leu Val Val Asn Ile Pro Gly Asn Gln Val
                   85
239 Glu Asn Gly Val Val Leu Thr Glu Tyr Val Gly Ala Gly Pro Pro Gln
              100
                                  105
242 Gly Thr Gly Leu His Arg Tyr Val Phe Ile Val Phe Lys Gln Pro Gln
243 115
                              120
245 Lys Leu Thr Cys Asn Glu Pro Lys Ile Pro Lys Thr Ser Gly Asp Lys
                          135
248 Arg Ala Asn Phe Ser Thr Ser Lys Phe Met Ser Lys Tyr Lys Leu Gly
249 145
                                         155
           150
251 Asp Pro Ile Ala Gly Asn Phe Phe Gln Ala Gln Trp Asp Asp Tyr Val
       165
                                    170
254 Pro Lys Leu Tyr Lys Gln Leu Ser Gly Lys Lys
               180 .
257 <210> SEQ ID NO: 5
258 <211> LENGTH: 220
259 <212> TYPE: PRT
260 <213> ORGANISM: C. elegans
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267 Ser Arg Ala Pro Phe Ala Ala Ala Thr Thr Ser Ala Arg Phe Gln Arg
               20
                                  25
270 Gly Leu Ala Thr Met Ala Ala Glu Ala Phe Thr Lys His Glu Val Ile
     35
                              40
273 Pro Asp Val Leu Ala Ser Asn Pro Pro Ser Lys Val Val Ser Val Lys
276 Phe Asn Ser Gly Val Glu Ala Asn Leu Gly Asn Val Leu Thr Pro Thr
                       70
279 Gln Val Lys Asp Thr Pro Glu Val Lys Trp Asp Ala Glu Pro Gly Ala
                  85
                                      90
282 Leu Tyr Thr Leu Thr Lys Thr Asp Pro Asp Ala Pro Ser Arg Lys Glu
              100
                                  105
285 Pro Thr Tyr Arg Glu Trp His His Trp Leu Val Val Asn Ile Pro Gly
286 115
                              120
                                                 125
288 Asn Asp Ile Ala Lys Gly Asp Thr Leu Ser Glu Tyr Ile Gly Ala Gly
                          135
                                             140
291 Pro Pro Lys Thr Gly Leu His Arg Tyr Val Tyr Leu Ile Tyr Lys Gln
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DATE: 03/16/2001

```
PATENT APPLICATION: US/09/654,281
                                                    TIME: 15:13:59
               Input Set : A:\PTO.txt
               Output Set: N:\CRF3\03162001\I654281.raw
                      150
294 Ser Gly Arg Ile Glu Asp Ala Glu His Gly Arg Leu Thr Asn Thr Ser
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                                    170
207 Gly Asp Lys Arg Gly Gly Trp Lys Ala Ala Asp Phe Val Ala Lys His
       . 180
                                185
300 Lys Leu Gly Ala Pro Val Phe Gly Ash Leu Phe Gln Ala Glu Tyr Asp
301 195
                   200
303 Asp Tyr Val Pro Ile Leu Asn Lys Gln Leu Gly Ala
       210
                          215
306 <210> SEQ ID NO: 6 -
307 <211> LENGTH: 181
308 <212> TYPE: PRT
309 <213> ORGANISM: Antirrhinum-CEN
311 <400> SEQUENCE: 6
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                                                        15
316 Glv Asp Val Val Asp His Phe Thr Ser Thr Val Lys Met Ser Val Ile
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                                 25
319 Tyr Asn Ser Asn Asn Ser fle Lys His Val Tyr Asn Gly His Glu Leu
    3.5
                             4.0
322 Phe Pro Ser Ala Val Thr Ser Thr Pro Arg Val Glu Val His Gly Gly
       50
                          55
                                             60
325 Asp Met Arg Ser Phe Phe Thr Leu Ile Met Thr Asp Pro Asp Val Pro
                      70
328 Gly Pro Ser Asp Pro Tyr Leu Arg Glu His Leu His Trp Tle Val Thr
                  85
                                     90
331 Asp Ile Pro Gly Thr Thr Asp Ser Ser Phe Gly Lys Glu Val Val Ser
              1.00
                                 105
                                                   110
334 Tyr Glu Met Pro Arg Pro Asn Ile Gly Ile His Arg Phe Val Phe Leu
                             120
337 Leu Phe Lys Gin Lys Lys Arg Gly Gln Ala Met Leu Sar Pro Pro Val
      130
                                  140
                         1.35
340 Val Cys Arg Asp Gly Phe Asn Thr Arg Lys Phe Thr Gln Glu Asn Glu
341 145
                     150
                              1.55
343 Leu Gly Leu Pro Val Ala Ala Val Phe Phe Asn Cys Gln Arg Glu Thr
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347
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350 <211> LENGTH: 176 -
351 <212> TYPE: PRT
352 <213> ORGANISM: Aradopsis-TFL1
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                                     10
359 Val Val Gly Asp Val Leu Asp Phe Phe Thr Pro Thr Thr Lys Met Asn
              20
                                 25
                                                    30
362 Val Ser Tyr Asn Lys Lys Gln Val Asn Gly His Glu Leu Phe Pro Ser
           35
363
                                                45
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RAW SEQUENCE LISTING

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/654,281

DATE: 03/16/2001 TIME: 15:14:00

Input Set : A:\PTO.txt

Output Set: N:\CRF3\03162001\1654281.raw

L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10